

IN THE SPECIFICATION:

Please **AMEND** the paragraph 0030 to include reference to Figs. 12C-12G, which were included with the formal drawings as originally filed, as follows:

[0030] These and other objects and advantages of the present invention will become apparent and more readily appreciated from the following description of the embodiments, taken in conjunction with the accompany drawings of which:

FIG. 1 is a schematic diagram of a conventional optical disc;

FIGS. 2A and 2B are schematic diagrams of an optical recording medium according to an embodiment of the present invention;

FIGS. 3A and 3B are examples of the information track of FIG. 2;

FIG. 4 is a block diagram of a wobble signal recording apparatus according to the present invention;

FIG. 5 is a detailed block diagram of the wobble signal recording apparatus of FIG. 4 according to an embodiment of the present invention;

FIGS. 6A and 6B shows schematic waveforms of first and second signals generated by the carrier signal generator of FIG. 5;

FIG. 7 shows schematic waveform of a wobble signal edge-modulated by the first and second signals of FIGS. 6A and 6B;

FIG. 8 is a flowchart of a wobble signal recording method according to the embodiment of FIG. 5;

FIG. 9 is a detailed block diagram of the wobble signal recording apparatus of FIG. 4 according to another embodiment of the present invention;

FIGS. 10A through 10C show schematic waveforms of signals generated by the wobble signal generator of FIG. 9;

FIG. 11 is a flowchart of a wobble signal recording method according to the embodiment of FIG. 9;

FIGS. 12A and ~~through 12B~~ 12B-12G are reference diagrams showing other examples of wobble signals according to the present invention;

FIG. 13 is an example of addressing information in a header information region on which a wobble signal according to the present invention is recorded;

FIG. 14 is a block diagram of a header information detection apparatus according to another embodiment of the present invention;

FIG. 15 is a reference diagram explaining a process generating a duty signal in the duty signal generator 12 of FIG. 14;

FIG. 16 is a flowchart of a header information extraction method according to the embodiment of FIG. 14;

FIG. 17 is a block diagram of a header information detection apparatus according to another embodiment of the present invention;

FIG. 18 is a reference diagram explaining a level detection method performed by the level detector 17 of FIG. 17;

FIG. 19 is a flowchart of a header information extraction method according to the embodiment of FIG. 17;

FIG. 20 is a block diagram of a header information detection apparatus according to another embodiment of the present invention;

FIG. 21 is a reference diagram explaining signals output from the header information detection apparatus of FIG. 20;

FIG. 22 is a flowchart of a header information extraction method according to the embodiment of FIG. 20; and

FIG. 23 is a flowchart explaining an example of the operations shown in FIG. 22.